

28 January 1963

## MEMORANDUM FOR THE RECORD

FROM : [REDACTED] 25X1A9a  
SUBJECT: [REDACTED] 2.5 KW Amplifiers 25X1A5a1

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[REDACTED]

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2. Mr. [REDACTED] advised that within 30 or 45 days there will be available some design parameters for this amplifier and he would like one of our senior engineers to visit him in [REDACTED] and discuss specific requirements and characteristics. Mr. [REDACTED] further advised that he could not promise delivery of the first amplifier until 12 or 15 months from now.

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3. Both Mr. [REDACTED] discussed (and stressed) the URG (Universal Radio Group) as a means of providing excitation to the linear amplifier. We have in our files information on this URG. There are no plans for development of a separate exciter solely for use with the 2.5 KW rig. The URG provides capability for a single-dial control of transmitter and antenna selection, frequencies (in either 100 or 1000 cycle per second increments), mode of emission and other control functions. The link between the remote control point and the amplifier requires only voice channel capability since tones are used to transmit control data.

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4. Mr. [REDACTED] discussed future developments in the URG and stated that they are working toward teletype control at the remote station as an input to the control system. Thus, the teletype printer at the remote station would provide a complete log of all control functions, as well as traffic passed.

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25X1A5a1 that 5. Mr. [REDACTED] will advise us as to the exact date  
[REDACTED] will be ready for detailed discussions  
of the 2.5 KW linear amplifier.

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[REDACTED]

**Distribution:**

Original - Routing/File  
2 - Monthly Report  
1 - Project File